



IPAC

PATENT
Attorney Docket No. 056291-5290

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: CAULKETT *et al.*) Confirmation No.: *Unassigned*
Application No.: 10/579,782)) Group Art Unit: *Unassigned*
Filed: May 18, 2006)) Examiner: *Unassigned*
For: BENZOYL AMINO PYRIDYL CARBOXYLIC))
ACID DERIVATIVES USEFUL AS))
GLUCOKINASE (GLK) ACTIVATORS) Date: May 2, 2007

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Window, Mail Stop Amendment
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**UNDER 37 C.F.R. § 1.97(b)****Citation of Technically Related U.S. Patent Applications**

The Examiner's attention is directed to the following technically related U.S. patents or applications of Applicants' assignee:

Inventor	*U.S. Serial No. Filing Date	U.S. Patent No. Issue Date	PCT Publication No. PCT Publication Date
Barry Raymond Hayter et al.	10/482,264 December 23, 2005		WO 03/000262 January 3, 2003
Scott Boyd et al.	10/486,496 February 11, 2004		WO 03/15774 February 27, 2003
Darren Mckerrecher et al.	10/534,650 May 12, 2005		WO 2004/046139 June 3, 2004
Rodney Brian Hargreaves et al.	10/534,651 May 12, 2005		WO 2004/045614 June 3, 2004
Peter William Rodney Caulkett et al.	10/578,021 April 28, 2006		WO 2005/044801 May 19, 2005
Craig Johnstone et al.	10/579,337 May 15, 2006		WO 2005/054200 June 16, 2005
Craig Johnstone et al.	10/579,552 May 16, 2006		WO 2005/054233 June 16, 2005

Inventor	U.S. Serial No. Filing Date	U.S. Patent No. Issue Date	PCT Publication No. PCT Publication Date
Craig Johnstone et al.	10/588,315 August 3, 2006		WO 2005/080360 September 1, 2005
Craig Johnstone et al.	10/588,334 August 3, 2006		WO 2005/080359 September 1, 2005
Craig Johnstone et al.	11/628,448 December 4, 2006		WO 2005/121110 December 22, 2005
Barry Raymond Hayter et al.	11/634,966 December 7, 2006		WO 03/000267 January 3, 2003
Philip Cornwall et al.	11/665,247 April 12, 2007		WO 2006/040527 April 20, 2006
Craig Johnstone et al.	11/665,163 April 12, 2007		WO 2006/040528 April 20, 2006
Craig Johnstone et al.	11/665,222 April 12, 2007		WO 2006/040529 April 20, 2006

With the exception of the document listed in the table above in bold (for which a copy was provided with the previously filed Information Disclosure Statement), a copy of the specification and claims for each application, in the form of the published PCT application from which such application was filed is being filed herewith. Consideration of each listed application is earnestly solicited

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants request the Examiner to consider this Information Disclosure Statement and the documents listed on the attached Form PTO-1449. To the best of the undersigned's knowledge, this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application. Accordingly, Applicants do not believe a fee is due for filing this Information Disclosure Statement.

With the exception of U.S. Patents and Publications, copies of the listed documents are attached. Applicants respectfully request that the Examiner initial and return the Form PTO-1449, indicating that the information has been considered and made of record herein.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." Applicants reserve the right to take appropriate action to establish the patentability of the disclosed

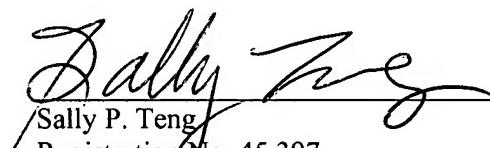
invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0310. This paragraph is intended to be a
CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R.
§1.136(a)(3).

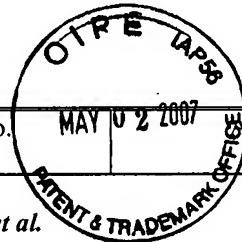
Respectfully Submitted,
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	
PTO Form 1449 May 2, 2007	

Attorney Docket No.
056291-5290

Applicants: CAULKETT *et al.*

Filing Date: May 18, 2006

Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

Initial		Document No.	Date	Name	Class	Sub-Class	Filing Date
1.		US 2001-027200	October 4, 2001	De la Brouse-Elwood et al.			
2.		US 3,950,351	April 13, 1976	Rossignol et al.			
3.		US 4,146,631	March 27, 1979	Ford et al.			
4.		US 5,258,407	November 2, 1993	Washburn et al.			
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6.		US 6,110,945	August 29, 2000	Head et al.			
7.		US 6,200,995	March 13, 2001	De la Brouse-Elwood et al.			
8.		US 6,207,693	March 27, 2001	Setoi et al.			
9.		US 6,316,482	November 13, 2001	Setoi et al.			
10.		US 6,369,229	April 9, 2002	Head et al.			

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11.		EP 0619116	October 12, 1994	Europe			
12.		EP 1048659	November 2, 2000	Europe			
13.		EP 1336607	August 20, 2003	Europe			
14.		EP 1496052	January 12, 2005	Europe			
15.		EP 1600442	November 30, 2005	Europe			
16.		GB 2331748	June 2, 1999	United Kingdom			
17.		GB 2385328	August 20, 2003	United Kingdom			
18.		JP 08143565	June 4, 1996	Japan			Yes
19.		JP 08173525	July 9, 1996	Japan			Yes
20.		JP 08301760	November 19, 1996	Japan			Yes
21.		JP 11171848	June 29, 1999	Japan			Yes
22.		JP 57021320	February 4, 1982	Japan			Yes
23.		JP 58069812	April 26, 1983	Japan			Yes
24.		WO 95/20578	August 3, 1995	WIPO			
25.		WO 96/22282	July 25, 1996	WIPO			
26.		WO 96/22293	July 25, 1996	WIPO			
27.		WO 96/22294	July 25, 1996	WIPO			
28.		WO 96/22295	July 25, 1996	WIPO			
29.		WO 96/36619	November 21, 1996	WIPO			Yes
30.		WO 96/41795	December 27, 1996	WIPO			
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32.		WO 97/49708	December 31, 1997	WIPO			
33.		WO 98/24771	June 11, 1998	WIPO			
34.		WO 98/45242	October 15, 1998	WIPO			Yes
35.		WO 99/24415	May 20, 1999	WIPO			Yes
36.		WO 99/38845	August 5, 1999	WIPO			

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Examiner _____ Date Considered _____

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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056291-5290

Application No.
10/579,782

Applicants: **CAULKETT et al.**

Filing Date: **May 18, 2006**

Group Art Unit: **Unassigned**

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	Document No.	Date	Country	Class	Sub-Class	Translation
37.	WO 99/62901	December 9, 1999	WIPO			
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39.	WO 00/26202	May 11, 2000	WIPO			
40.	WO 00/58293	October 5, 2000	WIPO			
41.	WO 01/12621	February 22, 2001	WIPO			
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46.	WO 01/83465	November 8, 2001	WIPO			
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49.	WO 01/85707	November 15, 2001	WIPO			
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52.	WO 02/46173	June 13, 2002	WIPO			
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54.	WO 03/000262	January 3, 2003	WIPO			
55.	WO 03/015774	February 27, 2003	WIPO			
56.	WO 03/047626	June 12, 2003	WIPO			
57.	WO 03/055482	July 10, 2003	WIPO			
58.	WO 03/066613	August 14, 2003	WIPO			
59.	WO 03/080585	October 2, 2003	WIPO			Yes
60.	WO 03/095438	November 20, 2004	WIPO			
61.	WO 03/097824	November 27, 2004	WIPO			Yes
62.	WO 2004/002481	January 1, 2004	WIPO			
63.	WO 2004/031179	April 15, 2004	WIPO			
64.	WO 2004/045614	June 3, 2004	WIPO			
65.	WO 2004/046139	June 3, 2004	WIPO			
66.	WO 2004/050645	June 17, 2004	WIPO			
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71.	WO 2004/072066	August 26, 2004	WIPO			
72.	WO 2004/076420	September 10, 2004	WIPO			Yes
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75.	WO 2005/044801	May 19, 2005	WIPO			

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Examiner	Date Considered
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Attorney Docket No. 056291-5290	Application No. 10/579,782
	Applicants: CAULKETT et al.	
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PTO Form 1449 May 2, 2007		

U.S. PATENT DOCUMENTS

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	Document No.	Date	Country	Class	Sub-Class	Translation
76.	WO 2005/049019	June 2, 2005	WIPO			
77.	WO 2005/054200	June 16, 2005	WIPO			
78.	WO 2005/054233	June 16, 2005	WIPO			
79.	WO 2005/063738	July 14, 2005	WIPO			Yes
80.	WO 2005/066145	July 21, 2005	WIPO			
81.	WO 2005/080359	September 1, 2005	WIPO			
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83.	WO 2005/090332	September 29, 2005	WIPO			Yes
84.	WO 2005/095417	October 13, 2005	WIPO			
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102.	Cavier et al. "Recherches sur les derives nitrés d'interet biologique. XVI. Relations entre structures et activites protozoocides, antihelminthiques et molluscicides dans la serie du benzamido-2 nitro-5 thiazole" European Journal of Medicinal Chemistry, Chimica Therapeutica, 13(6): 539-543 (1978) (Translation enclosed)
103.	Christesen et al. "The second activating glucokinase mutation (A456V): Implications for glucose homeostasis and diabetes therapy" Diabetes 51(4):1240-1246 (2002)

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FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Sub-Class	Translation
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
123.	Levin et al. "Reduced glucose-induced neuronal activation in the hypothalamus of diet-induced obese rats" Brain Research 808(2):317-319 (1998)						
124.	Levin, B. E. "Glucosensing neurons do more than just sense glucose" International Journal of Obesity, 25, suppl 5: S68-S72 (2001)						
125.	Lynch et al. "Localization of glucokinase gene expression in the rat brain" Diabetes 49(5):693-700 (2000)						
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129.	McKerrecher et al. "Discovery, synthesis and biological evaluation of novel glucokinase activators" Bioorg Med Chem Lett. 15(8):2103-2106 (2005)						
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136.	Rogers et al. "Mesoionic purinone analogues as inhibitors of cyclic-AMP phosphodiesterase: a comparison of several ring systems" J. Med. Chem. 24(11):1284-1287 (1981)						
137.	Roncero et al. "Functional glucokinase isoforms are expressed in rat brain" J Neurochem. 74(5):1848-1857 (2000)						
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